## Cytomix Corporation

8000 Virginia Manor Road, Beltsville, MD 20705, phone 301-470-6267 or fax 301-470-6269

## ■ Coating Products



FluoroPel - hydrophobic and super hydrophobic fluoropolymer coatings, adhesives and molded products.

FluoroTAC - fluoropolymer adhesives and super hydrophobic die-cut tapes and films.

Fluorothane - hydrophobic and super hydrophobic coatings for aircraft, marine and ground-based radomes.

**FluorN** - fluorosurfactant dispersing, wetting and leveling agents for resins and plastics. **FluoroSyl** - fluorosilanes for lubricity, surface protection, hydrophobicity and fluoropolymer adhesion.

## OEM Products μ-Cytometer<sup>TM</sup> μ-Plates<sup>TM</sup>

MicroTools - resealable closure and diagnostic slide with hydrophobic mask.

MetaCell - resealable chamber and diagnostic slide with hydrophobic mask.

MicroCytometer - disposable, precision capillary hemacytometers.

MicroPlates - super hydrophobic mask on films, cover-slips and large-format plates.

NanoArrays - DNA quantitation and single strand amplification in nanoliter arrays.



7 37 3	77.		77	
L Number	Hits		DB	Time stamp
1	15	silicon same oxide same fluorene	USPAT	2002/12/14 09:18
2	10	cytonix	USPAT	2002/12/14 09:18
3	17	cytonix	USPAT;	2002/12/14 08:40
1			US-PGPUB	
4	10914	perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:14
		or fluorene or pfte	US-PGPUB	
5	470612	oxide	USPAT;	2002/12/14 08:41
			US-PGPUB	
6	1057489	array or chip or silicon or wafter of	USPAT;	2002/12/14 09:15
		microarray or microchip or slide	US-PGPUB	
7	85	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:00
		or fluorene or pfte) same oxide same (array	US-PGPUB	
		or chip or silicon or wafter of microarray		l
		or microchip or slide)		
8	20	((perflurocoat or fluoropel or	USPAT;	2002/12/14 09:01
		fluoropolymers or fluorene or pfte) same	US-PGPUB	
		oxide same (array or chip or silicon or		
		wafter of microarray or microchip or slide))		
		and (dna or nucleic or oligo\$8 or genomic)		
9	596		USPAT;	2002/12/14 09:00
		silicon or wafter of microarray or microchip	US-PGPUB	
		or slide)		
10	10	(teflon same oxide same (array or chip or	USPAT;	2002/12/14 09:01
		silicon or wafter of microarray or microchip	US-PGPUB	
		or slide)) same (dna or nucleic or oligo\$8		
		or genomic)		
11	76305	perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:20
		or fluorene or pfte or teflon	US-PGPUB	
12	6109	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:14
		or fluorene or pfte or teflon) same (array	US-PGPUB	
		or chip or silicon or wafter of microarray		
		or microchip or slide)		
13	674		USPAT;	2002/12/14 09:14
		fluoropolymers or fluorene or pfte or	US-PGPUB	
		teflon) same (array or chip or silicon or		
		wafter of microarray or microchip or slide))		
		same oxide		
14	1	cytonix near3 oxidiz\$3 near3 wafer	USPAT;	2002/12/14 09:16
			US-PGPUB	
15	0	cytonix near3 oxidiz\$3 near3 (array or chip	USPAT;	2002/12/14 09:15
		or silicon or wafter of microarray or	US-PGPUB	
		microchip or slide)		
16	1076270	array or chip or silicon or wafer of	USPAT;	2002/12/14 09:16
		microarray or microchip or slide	US-PGPUB	
17	1	cytonix near3 oxidiz\$3 near3 (array or chip	USPAT;	2002/12/14 09:16
		or silicon or wafer of microarray or	US-PGPUB	
	į	microchip or slide)		
18	1	(perflurocoat or fluoropel or fluoropolymers	USPAT;	2002/12/14 09:20
		or fluorene or pfte or teflon) near3	US-PGPUB	
	1	oxidiz\$3 near3 (array or chip or silicon or		
	1	wafer of microarray or microchip or slide)		
19	5		USPAT;	2002/12/14 09:18
		or fluorene or pfte or teflon) near8	US-PGPUB	
		oxidiz\$3 near8 (array or chip or silicon or		
	1	wafer of microarray or microchip or slide)		
20	0	silicon same oxide same fluorene	EPO	2002/12/14 09:18
21	0	silicon same oxide same fluorene	DERWENT	2002/12/14 09:18
22	8	cytonix	EPO;	2002/12/14 09:19
		_	DERWENT	
23	0	(perflurocoat or fluoropel or fluoropolymers	EPO;	2002/12/14 09:20
		or fluorene or pfte or teflon) near3	DERWENT	
		oxidiz\$3 near3 (array or chip or silicon or		
		wafer of microarray or microchip or slide)		

L Number	Hits	Search Text	DB	Time stamp
1	436357	oxide	USPAT	2003/03/20 09:31
		fluoropolymer\$ or fluorene near3 polymer\$ or	USPAT	
2	28804		USPAI	2003/03/20 09:33
		(ptfe or fep or tefzel or fvdf or		
		perfluoroalkoxy) or perflurocoat or		
		fluoropel		
3	212887	etch\$ or scratch\$	USPAT	2003/03/20 09:33
4	6240	positive near3 photoresist\$	USPAT	2003/03/20 09:34
5	213791	(etch\$ or scratch\$ ) or (positive near3	USPAT	2003/03/20 09:34
		photoresist\$)		
6	2530	oxide and (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:35
		polymer\$ or (ptfe or fep or tefzel or fvdf		, ,
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) and ((etch\$ or scratch\$ ) or		ļ .
		(positive near3 photoresist\$))		'
, ,	0.0		IIODAM.	2002/02/20 00 26
7	92		USPAT	2003/03/20 09:36
		polymer\$ or (ptfe or fep or tefzel or fvdf		!
	i	or perfluoroalkoxy) or perflurocoat or		!
		fluoropel) and ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
8	119	oxide same (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:35
		polymer\$ or (ptfe or fep or tefzel or fvdf		
,		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$ ) or		
i				
9	o	(positive near3 photoresist\$))	USPAT	2003/03/20 09:36
,	U	(oxide same (fluoropolymer\$ or fluorene near3 polymer\$ or (ptfe or fep or tefzel or	USPAI	2003/03/20 09:36
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) same (DNA or		
		rna or nucleic or oligonucleoti\$5)		
10	1	(oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 09:38
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
11	2074	oxide same (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:39
11	2074		USPAI	2003/03/20 09:39
		polymer\$ or (ptfe or fep or tefzel or fvdf		ļ.
		or perfluoroalkoxy) or perflurocoat or		:
		fluoropel)		
12	402724	silicon\$	USPAT	2003/03/20 09:38
13	509	(oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 09:38
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same silicon\$		
14	50215	oxide same (etch\$ or scratch\$ )	USPAT	2003/03/20 09:39
15	31943	(oxide same (etch\$ or scratch\$ )) same	USPAT	2003/03/20 09:39
		silicon\$		1
16	113154	DNA or RNA or nucleic or oligo\$9	USPAT	2003/03/20 09:39
17	16	((oxide same (etch\$ or scratch\$ )) same	USPAT	2003/03/20 09:46
	1	silicon\$) same (DNA or RNA or nucleic or		=====================================
		oligo\$9)		
10	EE1000		TICDATE	2003/03/20 09:46
18	551988	oxide or "silicon dioxide" or silica or	USPAT	2003/03/20 09:46
		germania or "germanium dioxide"		0000/00/00
19	2074	oxide same (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:46
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		1
		fluoropel)	1	
20	119	(oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 09:48
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))		
21	50		USPAT	2003/03/20 09:48
~-	30		JULAI	2003/03/20 03:40
		near3 polymer\$ or (ptfe or fep or tefzel or		1
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same ((etch\$ or scratch\$ ) or	1	
1 '		I (nogitive near) photoregists     and   array	1	1
l i		<pre>(positive near3 photoresist\$))) and (array or biochip or microarray)</pre>		

L Number	Hits	Search Text	DB	Time stamp
1	436357		USPAT	2003/03/20 09:31
2	28804	fluoropolymer\$ or fluorene near3 polymer\$ or	USPAT	2003/03/20 09:33
~	20004	(ptfe or fep or tefzel or fvdf or	OUTAI	2003/03/20 03:33
		perfluoroalkoxy) or perflurocoat or		
		fluoropel		
3	212887	etch\$ or scratch\$	USPAT	2003/03/20 09:33
4	6240	positive near3 photoresist\$	USPAT	2003/03/20 09:34
5	213791	(etch\$ or scratch\$ ) or (positive near3	USPAT	2003/03/20 09:34
	213/51	photoresist\$)	OSFAI	2003/03/20 03.34
6	2530	oxide and (fluoropolymer\$ or fluorene near3	USPAT	2003/03/20 09:35
"	2550	polymer\$ or (ptfe or fep or tefzel or fvdf	001711	2003,03,20 03.33
		or perfluoroalkoxy) or perflurocoat or	!	
		fluoropel) and ((etch\$ or scratch\$ ) or		
į į		(positive near3 photoresist\$))		
7	92		USPAT	2003/03/20 09:36
1		polymer\$ or (ptfe or fep or tefzel or fvdf		2000, 00, 20 00 100
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) and ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
8	119	- ·	USPAT	2003/03/20 09:35
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))		
9	0	•	USPAT	2003/03/20 09:36
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) same (DNA or		
		rna or nucleic or oligonucleoti\$5)		
10	1		USPAT	2003/03/20 09:38
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or	:	
		fluoropel) same ((etch\$ or scratch\$ ) or		į
		(positive near3 photoresist\$))) and (DNA or		
		rna or nucleic or oligonucleoti\$5)		
11	2074		USPAT	2003/03/20 09:39
		polymer\$ or (ptfe or fep or tefzel or fvdf		
		or perfluoroalkoxy) or perflurocoat or		
		fluoropel)		
12	402724	·	USPAT	2003/03/20 09:38
13	509		USPAT	2003/03/20 09:38
		near3 polymer\$ or (ptfe or fep or tefzel or		
		<pre>fvdf or perfluoroalkoxy) or perflurocoat or fluoropel)) same silicon\$</pre>	1	
14	50215		USPAT	2003/03/20 09:39
15	31943		USPAT	2003/03/20 09:39
13	31943	silicon\$	Jorni	2003/03/20 03:39
16	113154	l '	USPAT	2003/03/20 09:39
17	16		USPAT	2003/03/20 09:46
1 -		silicon\$) same (DNA or RNA or nucleic or		=====================================
		oligo\$9)		
18	551988		USPAT	2003/03/20 09:46
1		qermania or "germanium dioxide"		
19	2074	1 2	USPAT	2003/03/20 09:46
		polymer\$ or (ptfe or fep or tefzel or fvdf		
	1	or perfluoroalkoxy) or perflurocoat or		
		fluoropel)		
20	119	, -	USPAT	2003/03/20 09:48
		near3 polymer\$ or (ptfe or fep or tefzel or		1
		fvdf or perfluoroalkoxy) or perflurocoat or		
	]	fluoropel)) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))		
21	50	((oxide same (fluoropolymer\$ or fluorene	USPAT	2003/03/20 11:01
		near3 polymer\$ or (ptfe or fep or tefzel or		
		fvdf or perfluoroalkoxy) or perflurocoat or		
		fluoropel)) same ((etch\$ or scratch\$ ) or		
		(positive near3 photoresist\$))) and (array		
		or biochip or microarray)		

T				T
L Number	Hits		DB	Time stamp
1	436	beattie.in.	USPAT;	2003/03/20 09:58
			US-PGPUB;	
			DERWENT	
2	20	beattie.in. and silicon	USPAT;	2003/03/20 10:01
			US-PGPUB;	
			DERWENT	
3	62	5843767.URPN.	USPAT	2003/03/20 10:00
4	38	5843767.URPN. and oxide	USPAT;	2003/03/20 10:01
			US-PGPUB;	
			DERWENT	
5	1	5843767.URPN. and fluoropolymer	USPAT;	2003/03/20 10:01
			US-PGPUB:	
			DERWENT	
6	0	5843767.URPN. and florene	USPAT;	2003/03/20 10:01
			US-PGPUB;	
			DERWENT	
7	0	5843767.URPN. and fluorene	USPAT;	2003/03/20 10:02
			US-PGPUB;	
			DERWENT	
8	35	5843767.URPN. and (polycarbonate or	USPAT;	2003/03/20 10:03
		teflon)	US-PGPUB;	2003/03/20 10.03
		5511011/	DERWENT	
9	4	5843767.URPN. and (hydrophobic near5	USPAT;	2003/03/20 10:05
	4	coat\$3)	1	2003/03/20 10:05
		Coacys	US-PGPUB;	
10	3	(5843767.URPN. and oxide) and (hydrophobic	DERWENT	2002/02/20 10 10
10	3		USPAT;	2003/03/20 10:12
		near5 coat\$3)	US-PGPUB;	
11	177	photograph dama fluores-	DERWENT	0000 /00 /00 10 00
++	17	photoresist same fluorene	USPAT;	2003/03/20 10:30
			US-PGPUB;	]
12	264	and a and addition and	DERWENT	0000/00/00 10 = :
12	264	oxide and silicon and porous and fluorene	USPAT;	2003/03/20 10:31
			US-PGPUB;	
12	1 41 000		DERWENT	0000400455 55
13	141288	oxide near8 silicon	USPAT;	2003/03/20 10:31
			US-PGPUB;	
	_		DERWENT	
14	3	, ,	USPAT;	2003/03/20 10:35
		fluorene) and coat\$3 near8 fluorene	US-PGPUB;	
1.5		l	DERWENT	
15	91		USPAT;	2003/03/20 10:31
		fluorene) and oxide near8 silicon	US-PGPUB;	
			DERWENT	
16	3	, , , , , , , , , , , , , , , , , , ,	USPAT;	2003/03/20 10:33
		fluorene) and coat\$3 near8 fluorene) and	US-PGPUB;	
		((oxide and silicon and porous and	DERWENT	
		fluorene) and oxide near8 silicon)		
17	5	The second second second second second	USPAT;	2003/03/20 10:33
		fluorene) and 435/6.ccls.	US-PGPUB;	
			DERWENT	
18	8	(oxide and silicon and porous and	USPAT;	2003/03/20 10:38
		fluorene) and (coat\$3 or layer) near8	US-PGPUB;	
		fluorene	DERWENT	
19	34	(mask\$3 or etch\$3) same fluorene	USPAT;	2003/03/20 10:40
		,	US-PGPUB;	12, 12, 23
			DERWENT	
20	25	((mask\$3 or etch\$3) same fluorene) and	USPAT;	2003/03/20 10:40
	_ <del>-</del>	oxide	US-PGPUB;	
			DERWENT	·
			PDIMARIA	

115			Time stamp
	hydrophobic near3 mask	USPAT;	2003/03/20 11:53
		US-PGPUB;	
		DERWENT	
5	(hydrophobic near3 mask) same (oxide or	USPAT;	2003/03/20 11:54
	"silicon dioxide")	;	
71	teflon near3 mask	,	2003/03/20 11:54
		1	
4		,	2003/03/20 11:56
	dioxide")		
11819			2003/03/20 11:56
	Tluoropolymer		
0.1	(fluorethans or fluoremathers or		2002/02/20 11 56
91	·	•	2003/03/20 11:56
	Truoroporymer, same mask	,	
142	(fluorothane or fluorourethane or		2003/03/20 11:56
142	•	· '	2003/03/20 11:56
	ridoroporymer) same (mask or photoresist)		
22	((fluorothane or fluorourethane or		2003/03/20 12:00
22	• • • • • • • • • • • • • • • • • • • •		2003/03/20 12:00
		1	
1	· · · · · · · · · · · · · · · · · · ·		2003/03/20 12:00
-		,	2005,05,20 12.00
		DERWENT	
	91 142 22	"silicon dioxide")  71 teflon near3 mask  4 (teflon near3 mask) same (oxide or "silicon dioxide")  11819 fluorothane or fluorourethane or fluoropolymer  91 (fluorothane or fluorourethane or fluoropolymer) same mask  142 (fluorothane or fluorourethane or fluoropolymer) same (mask or photoresist)  22 ((fluorothane or fluorourethane or fluoropolymer) same (mask or photoresist)) same (oxide or "silicon dioxide")	(hydrophobic near3 mask) same (oxide or "silicon dioxide")  Teflon near3 mask  (teflon near3 mask) same (oxide or "silicon Uspat;  Us-PGPUB;  DERWENT  US-PGPUB;  US-PGPUB;  US-PGPUB;

Search Notes	S	e	a	rc	h	N	O	te	s
--------------	---	---	---	----	---	---	---	----	---



Application No.	Applicant(s)	
10/008,185	MULLEN ET AL.	
Examiner	Art Unit	_
Jeanine A Goldherd	1634	

SEARCHED					
Class	Subclass	Date	Examiner		
435	6				
	287.2				
	283.1				
	287.9	,			

INTERFERENCE SEARCHED					
Class	Subclass	Date	Examiner		

SEARCH NOT (INCLUDING SEARCH S		)
	DATE	EXMR
Palm Author search; Keyword Search see attached.		